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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/824,305	04/13/2004	Richard Schenker	10559/927001/P18716	5971
20985	7590 10/27/2005		EXAMINER	
FISH & RICHARDSON, PC			CHOI, WILLIAM C	
12390 EL CA	MINO REAL CA 92130-2081		ART UNIT PAPER NUMBER	
SAIN DIEGO,	CA 92130-2001		2873	
			DATE MAILED: 10/27/200	<

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)			
	10/824,305	SCHENKER, RICHARD			
Office Action Summary	Examiner	Art Unit			
	William C. Choi	2873			
The MAILING DATE of this communication Period for Reply	appears on the cover sheet w	ith the correspondence address			
A SHORTENED STATUTORY PERIOD FOR RE WHICHEVER IS LONGER, FROM THE MAILING - Extensions of time may be available under the provisions of 37 CFF after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period for reply within the set or extended period for reply will, by straining the provided by the Office later than three months after the meanned patent term adjustment. See 37 CFR 1.704(b).	B DATE OF THIS COMMUNIC R 1.136(a). In no event, however, may a control of the co	CATION. reply be timely filed NTHS from the mailing date of this communic BANDONED (35 U.S.C. § 133).			
Status					
1) Responsive to communication(s) filed on 1	<u>0 August 2005</u> .				
2a)⊠ This action is FINAL . 2b)□ This action is non-final.					
3) Since this application is in condition for allo			ts is		
closed in accordance with the practice unde	er <i>Ex par</i> te Quayle, 1935 C.E). 11, 453 O.G. 213.			
Disposition of Claims					
4) Claim(s) 10,12,14-17,24,25,29 and 30 is/ar 4a) Of the above claim(s) is/are with					
5) Claim(s) 10,12 and 14-17 is/are allowed.					
6)⊠ Claim(s) <u>24,25,29 and 30</u> is/are rejected. 7)□ Claim(s) is/are objected to.					
8) Claim(s) are subject to restriction are	nd/or election requirement.				
	·				
Application Papers	ainar				
9) The specification is objected to by the Exan10) The drawing(s) filed on 13 April 2005 is/are		ected to by the Examiner			
Applicant may not request that any objection to					
Replacement drawing sheet(s) including the col			21(d).		
11) The oath or declaration is objected to by the					
Priority under 35 U.S.C. § 119					
12) Acknowledgment is made of a claim for fore a) All b) Some * c) None of:	eign priority under 35 U.S.C.	§ 119(a)-(d) or (f).			
1. Certified copies of the priority docum	ients have been received.				
2. Certified copies of the priority docum					
3. Copies of the certified copies of the		n received in this National Stage	е		
application from the International Bu					
* See the attached detailed Office action for a	list of the certified copies no	t received.			
Attachment(s)	Λ []	Summan /DTO 412\			
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) 	Paper No	Summary (PTO-413) (s)/Mail Date			
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SE Paper No(s)/Mail Date		Informal Patent Application (PTO-152)			

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DETAILED ACTION

Examiner's Comment

Examiner attempted to contact attorney, Scott Harris, on several occasions (voicemail – 9/28/2005 @ 8:20pm; voicemail – 9/29/2005 @ 4:41pm and left message with his secretary – 10/11/2005@ 2:45pm) in order to possibly resolve rejectionable material under USC 112. However, attorney was unable to return the phone calls resulting in this Final Rejection.

Claim Rejections - 35 USC § 112

Claims 24, 25, 29 and 30 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Specifically in regard to claim 24, applicant discloses in lines 11-12, applicant discloses, "wherein the parameter is related to the second polarization state".

However, applicant does not disclose any previous reference to a "parameter" and to what function it serves towards the invention, thereby rendering the claim vague and indefinite. A similar situation exists in lines 10-11 and 13-14 of claim 25, where limitations for "the parameter" are disclosed. For the same reasons set forth previously, claim 25 is rendered vague and indefinite.

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For purposes of examination, it was assumed that applicant meant to include the limitations of cancelled claim 22, wherein said method further comprises "detecting a parameter related to one or more characteristics of the transmitted light."

Regarding claims 29 and 30, applicant discloses wherein said claims are respectively dependent on **cancelled claims 26 and 27**, rendering the claims vague and indefinite. For purposes of examination, claim 29 was assumed to comprise the limitations of cancelled claim 26 and claim 30 to comprise the limitations of claims 26 and 27.

Allowable Subject Matter

Claims 10, 12, 14-17 are allowed.

The following is a statement of reasons for the indication of allowable subject matter: The prior art fails to teach a combination of all the claimed features as presented in claim 10: a lithography system comprising a polarization modulator and a stress modulator as claimed, specifically wherein the polarization profile exhibits substantially azimuthal symmetry.

The prior art fails to teach a combination of all the claimed features as presented in claim 12: a lithography system comprising a polarization modulator and a stress modulator as claimed, specifically wherein the lithography system comprises an immersion lithography system.

The prior art fails to teach a combination of all the claimed features as presented in claim 14: a lithography system comprising a polarization modulator and a stress

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modulator as claimed, specifically wherein the stress modulator is configured to apply stress using expansion.

The prior art fails to teach a combination of all the claimed features as presented in claim 15: a lithography system comprising a polarization modulator and a stress modulator as claimed, specifically wherein the stress modulator is configured to apply stress by heating at least one of the stress modulator and the polarization modulator.

The prior art fails to teach a combination of all the claimed features as presented in claim 16: a lithography system comprising a polarization modulator and a stress modulator as claimed, specifically wherein the stress modulator is configured to apply stress by cooling at least one of the stress modulator and the polarization modulator.

The prior art fails to teach a combination of all the claimed features as presented in claim 17: a lithography system comprising a polarization modulator and a stress modulator as claimed, specifically wherein said system further comprises another stress modulator in communication with another polarization modulator, the another stress modulator to apply stress to the another polarization modulator.

Claims 24, 25, 29 and 30 would be allowable if rewritten or amended to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action, taking into account the assumption made in the examination of the claims.

The prior art fails to teach a combination of all the claimed features as presented in claim 24: a method of modifying the polarization of light comprising detecting a parameter related to one or more characteristics of transmitted light as claimed, specifically wherein the parameter is based on the second different polarization profile.

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The prior art fails to teach a combination of all the claimed features as presented in claim 25: a method of modifying the polarization of light comprising detecting a parameter related to one or more characteristics of transmitted light as claimed, specifically wherein the parameter is based on the pattern.

The prior art fails to teach a combination of all the claimed features as presented in claim 29: a polarization control apparatus comprising a controller configured to receive a signal based on a parameter in communication with a stress modulator as claimed, specifically wherein the parameter is based on the second different polarization profile.

The prior art fails to teach a combination of all the claimed features as presented in claim 30: a polarization control apparatus comprising a controller configured to receive a signal based on a parameter in communication with a stress modulator as claimed, specifically wherein the parameter is based on the pattern.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not

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mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to William C. Choi whose telephone number is (571) 272-2324. The examiner can normally be reached on Monday-Friday from about 9:00 am to 6 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Georgia Y. Epps can be reached on (571) 272-2328. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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W1C

William Choi Patent Examiner Art Unit 2873 October 17, 2005

Georgia Epps

Georgia Epps

Supervisory Patent Examiner

Technology Center 2800

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